

Figure 1

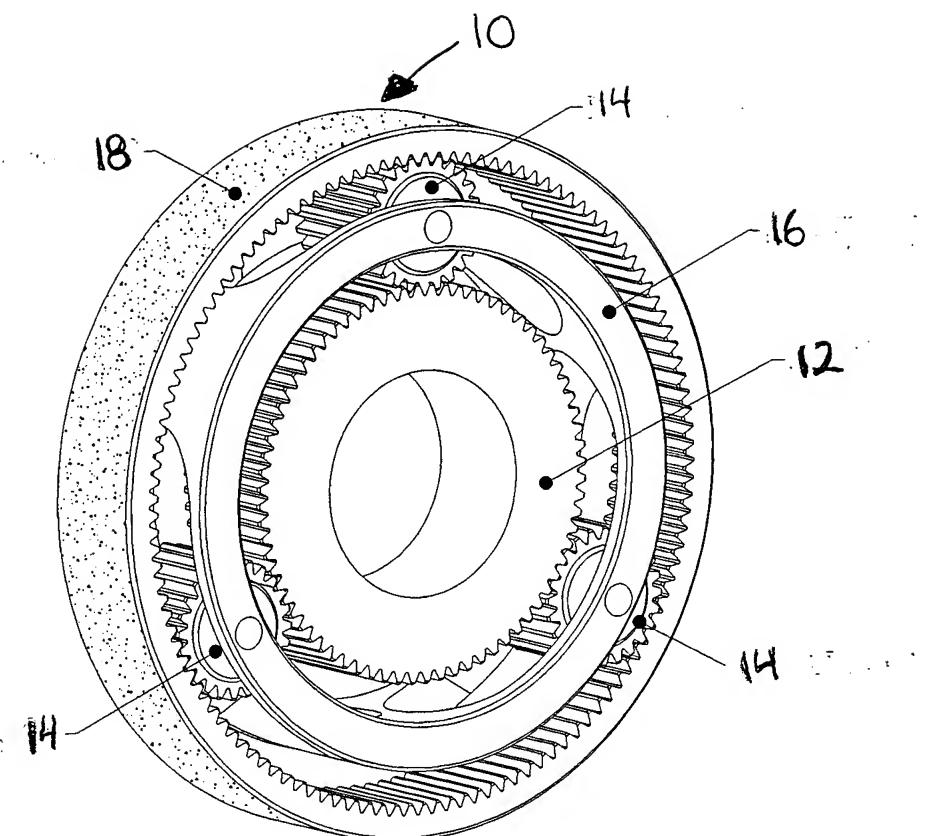


Figure 2

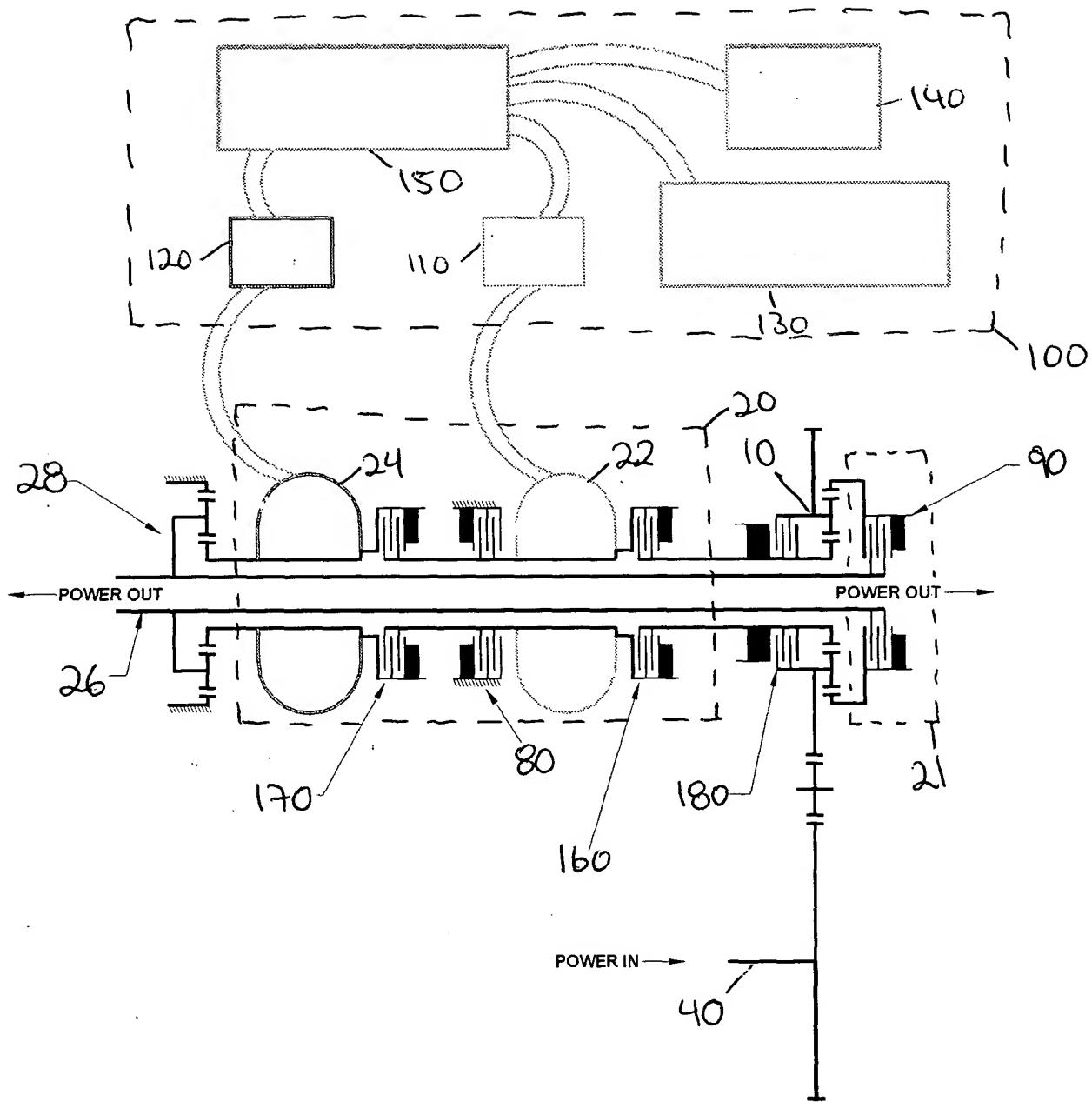


Figure 3

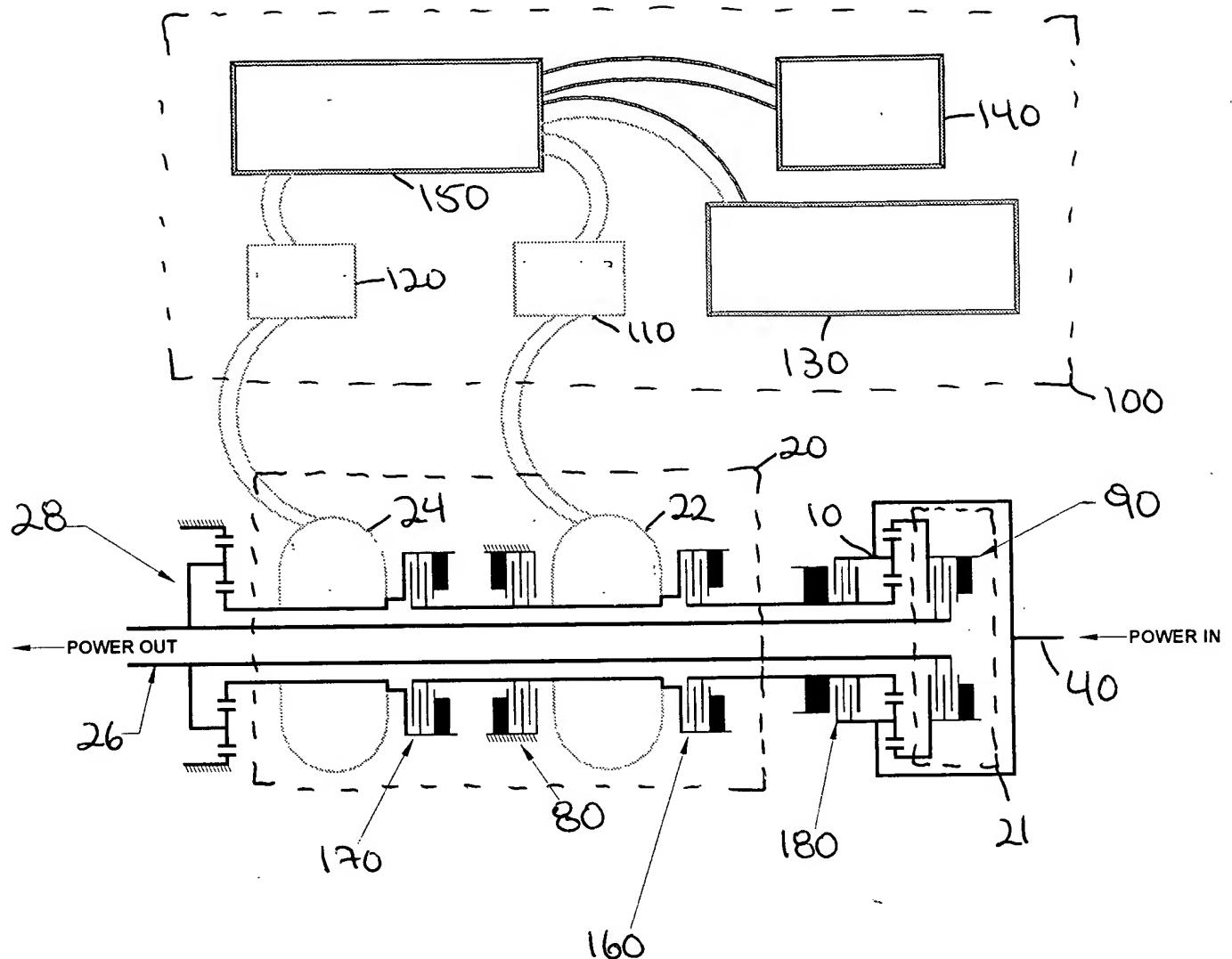


Figure 4

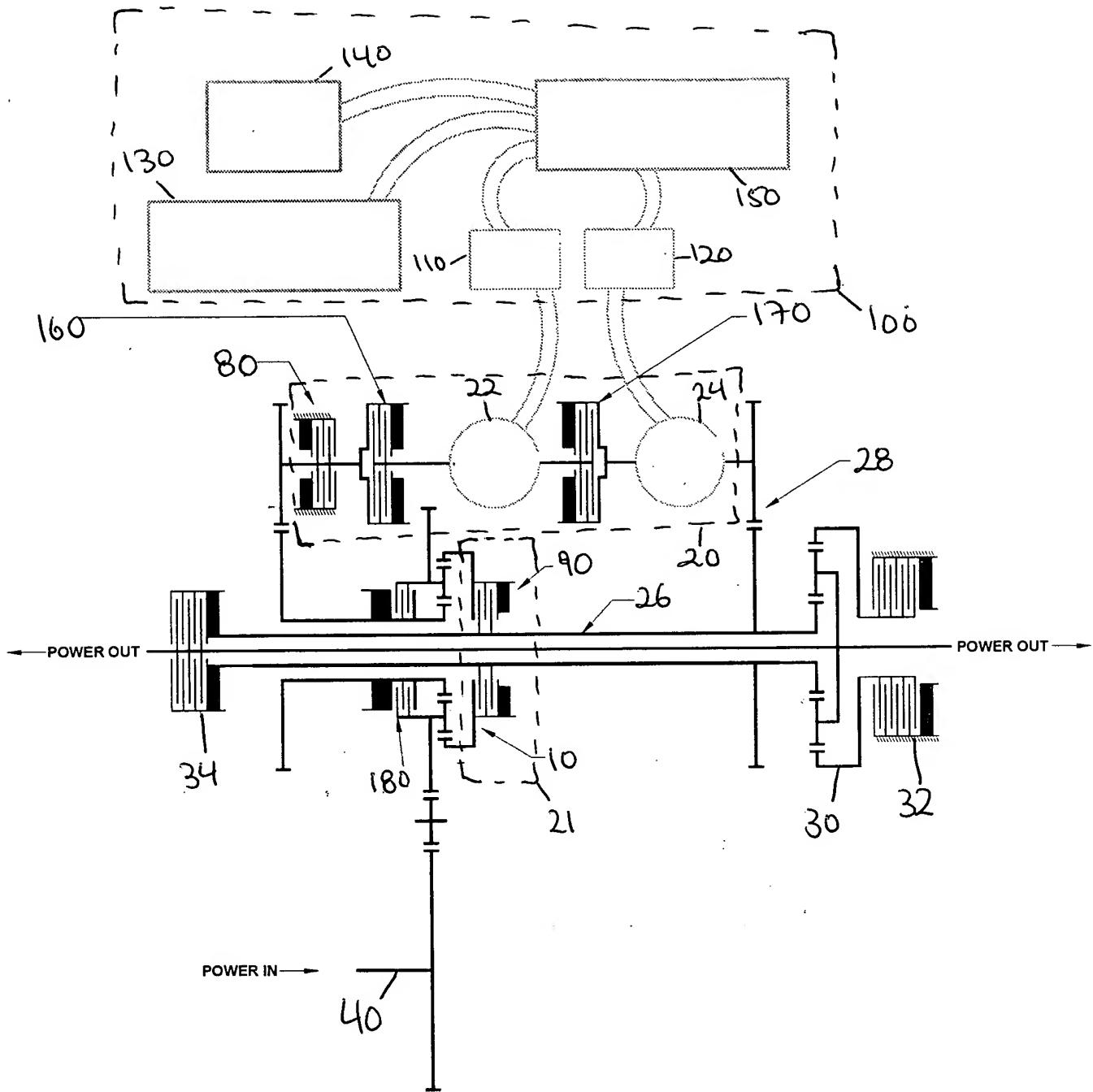


Figure 5

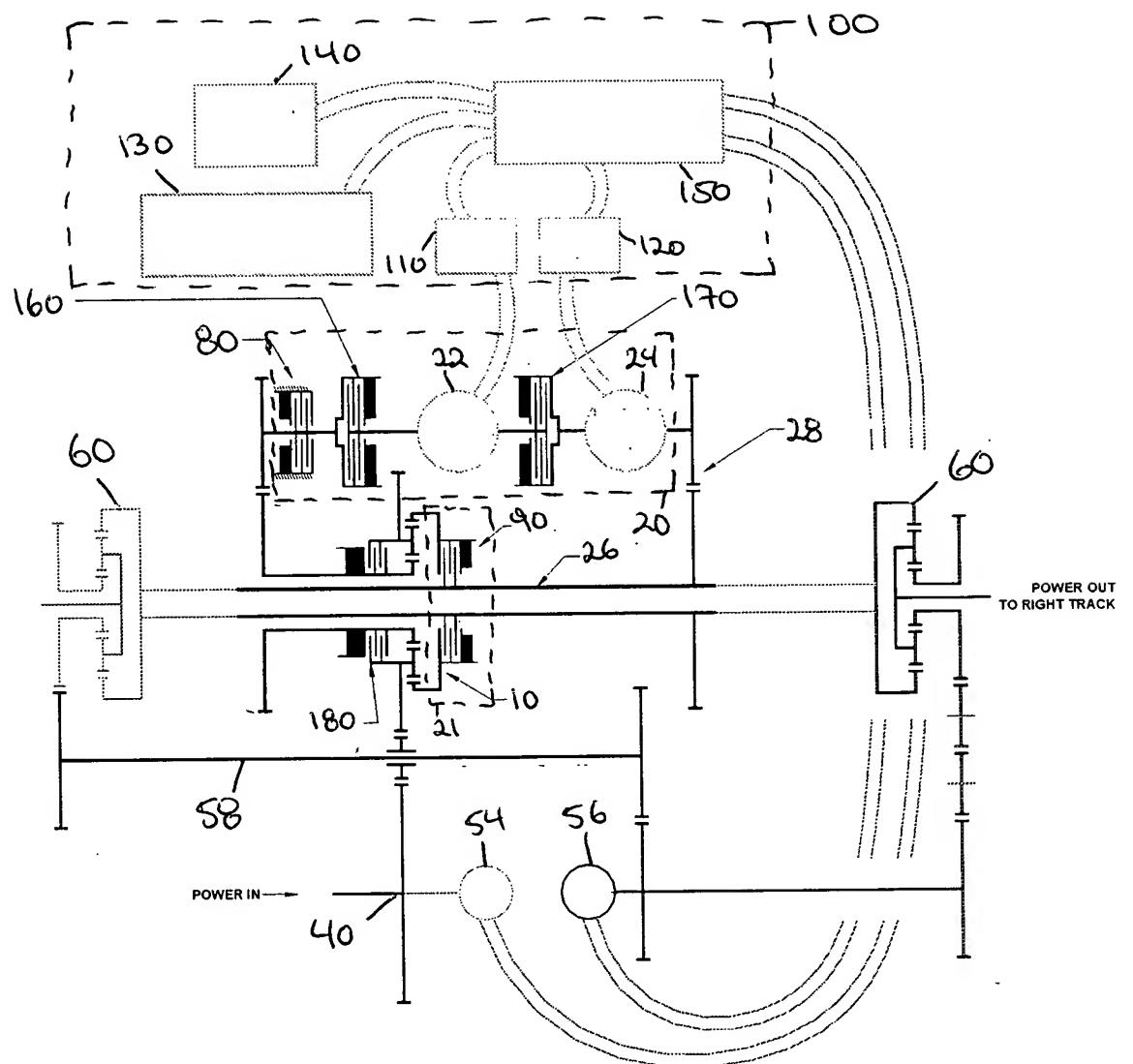


Figure 6

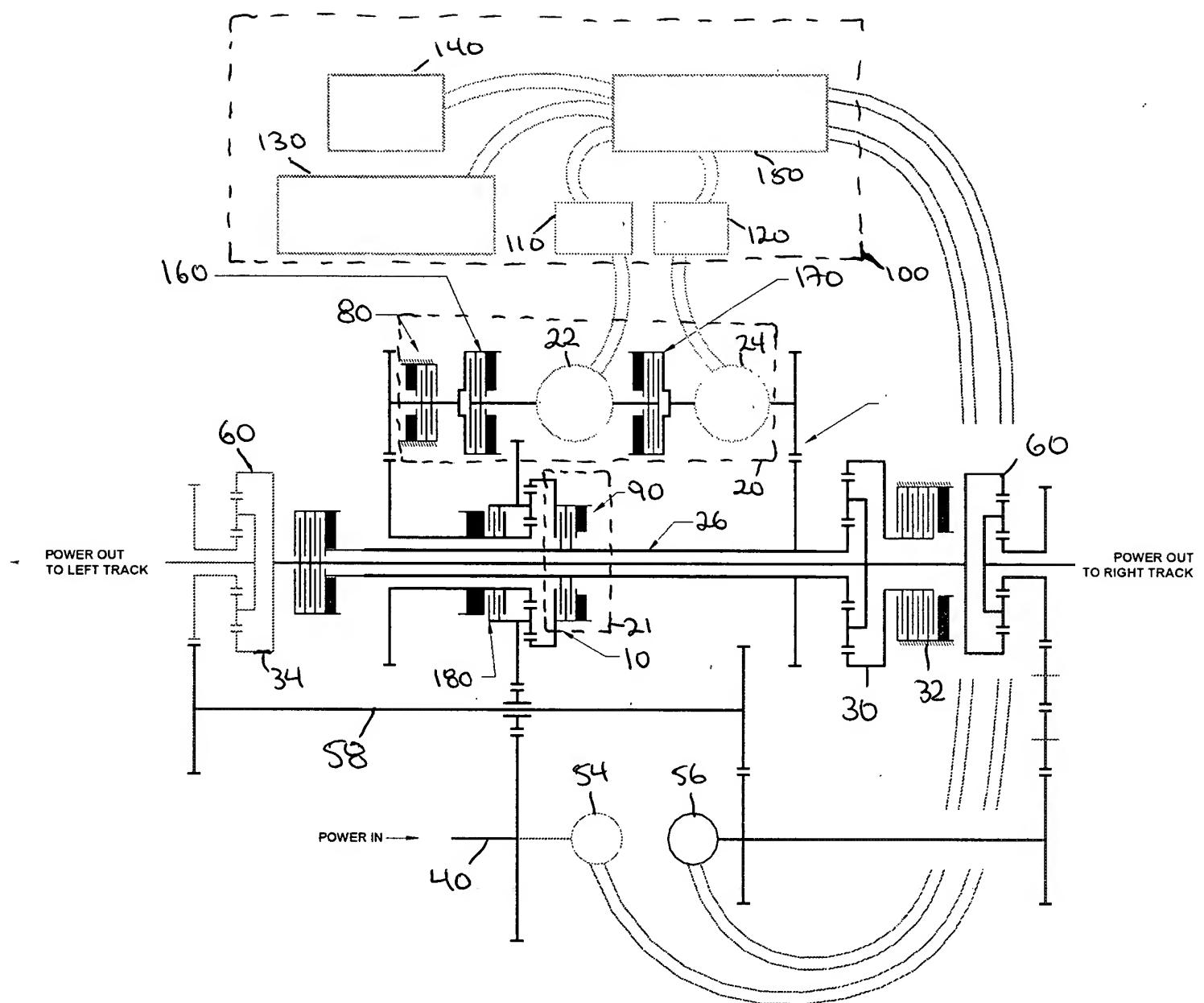


Figure 7

Figure 8

Operation Mode	Batt / Cap Bank Status	Engine Operation Required?	Clutches Engaged:			Gen Output	Split Speed
			Lockup	Mech Drv	Gen Input		
			Brake	Clutch	Clutch	Clutch	Clutch
			80	90	160	170	180
<i>Forward:</i>							
1	FULL ELECTRICAL	2-MOTOR	Draining	Y	Y	Y	Y
2	FULL ELECTRICAL + ENGINE	2-MOTOR + ENGINE	Draining	Y	Y	Y	Y
3	ECONOMY	1-MOTOR	Draining	Y	Y	Y	Y
4	PARALLEL	EMCVT	Charging	Y	Y	Y	Y
5	FULL MECHANICAL	ENGINE	Charging	Y	Y	Y	Y
<i>Reverse:</i>							
1	FULL ELECTRICAL	2-MOTOR REVERSE	Draining	Y	Y	Y	Y
2	ECONOMY	1-MOTOR REVERSE	Draining	-	Y	Y	Y
3	PARALLEL	EMCVT REVERSE	Charging	Y	Y	Y	Y
<i>Braking:</i>							
1	MAXIMUM REGEN	2-GENERATOR BRAKING	Charging (Heavy Braking)	Y	Y	Y	Y
2	LIGHT REGEN	1-GENERATOR BRAKING	Charging (Light Braking)	Y	Y	Y	Y
3	PARALLEL	HMCVT BRAKING	Charging + Engine Braking	Y	Y	Y	Y
4	FULL ENGINE BRAKING	ENGINE BRAKING	Fully Charged	Y	Y	Y	Y
<i>Engine Starting:</i>							
1	OUTPUT STOPPED	With Vehicle Stopped	Partially Charged	Starting	Y	Y	Y
2	OUTPUT IN MOTION	Vehicle in Motion	Partially Charged	Starting	Y	Y	Y

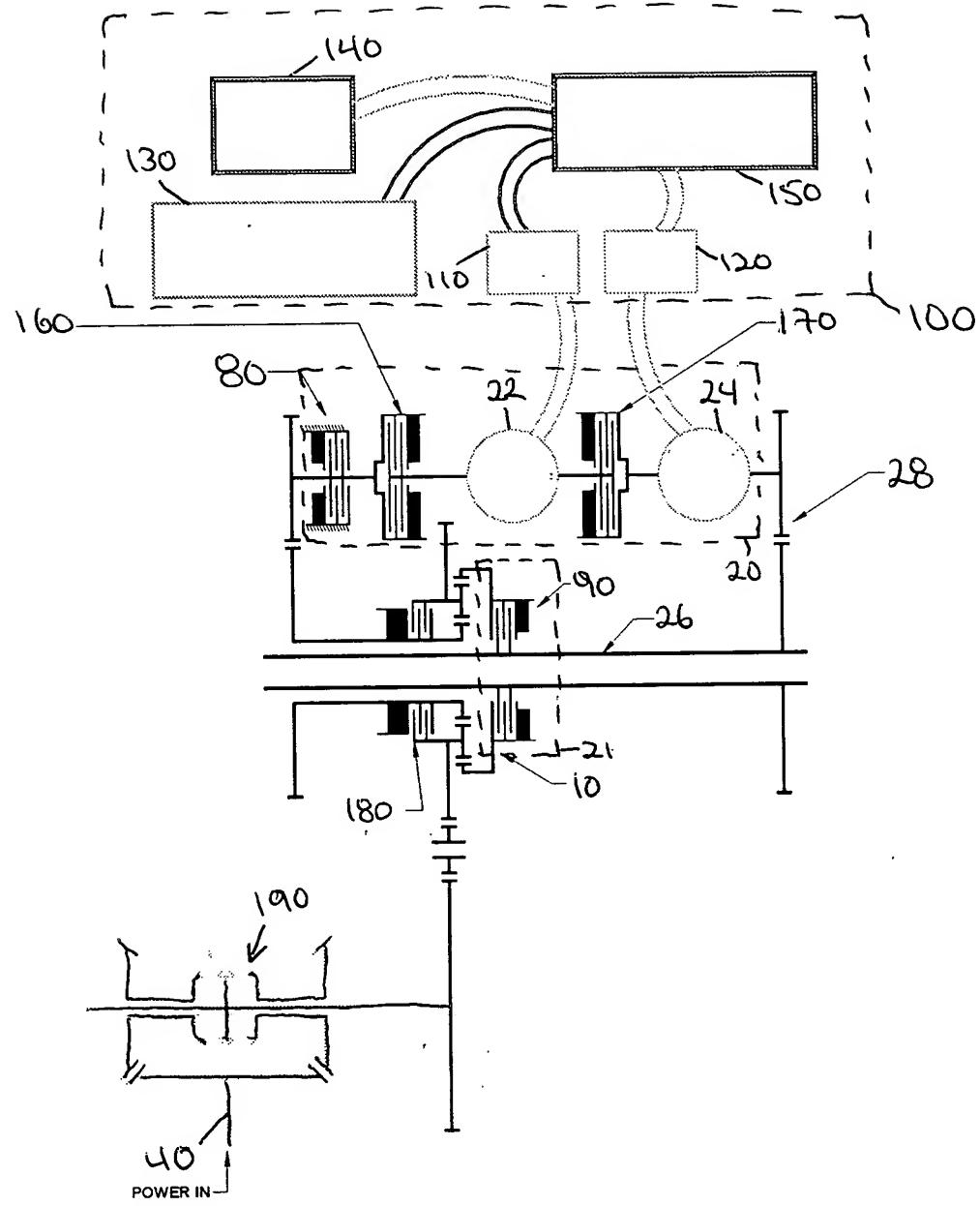


Figure 9